

# **Contents** Appendix A Plans - Existing Conditions..... Existing - LS-1 to Existing - LS-8







#### **Background**

The 32nd Street Pedestrian Study began as a way to improve existing pedestrian linkages to the Light Rail Transit (LRT) Platform that was proposed for Washington Street at 32nd Street. The study area encompassed The MAG Pedestrian Area Policies and Design Roosevelt Street to Washington Street and 29th Street to 34th Street. Many pedestrian improvement alternatives were investigated. Some of these included 32nd Street, the abandoned Salt River Valley Canal, 29th Street, 30th Street, 32nd Place and Van Buren Street. After observation of the neighborhood pedestrian circulation, these routes were deemed as the most used.

After the LRT Platform was moved further east on Washington Street, the City of Phoenix and MAG agreed that the need for pedestrian improvements to this neighborhood were still necessary.

A survey was prepared that included a map of the study area. Residents were asked to show, on the map, the routes they used most often. Using information from the survey, a matrix was prepared listing the various circulation routes. In conjunction with the survey and other resource material, the City and MAG team representatives were asked to rate the importance of each route. 32nd Street was voted as the more necessary circulation improvement.

32nd Street provides a central pedestrian circulation these locations. through the neighborhood. It provides a route to the bus stops, schools, shopping and popular short cuts such as the abandoned Salt River Project (SRP) canal. The abandoned canal begins at 32nd Street, just north of Fillmore, and runs at a 45°-angle north to 30th Street south of Roosevelt. The intersection of 32nd Street and Van Buren Street is considered the "Heart of the Community". An abandoned minimum-security prison currently occupies the northwest corner. This may change soon. Corazon de Oro, Wilson Community Development Corporation and Fomento Firme Association, Inc. are working on plans for redevelopment of this corner. The Wilson Renaissance Project is proposed to provide a Cultural Center, Community Center with an Amphitheater, swimming pool and ballfield. Housing and retail are also proposed for the site. Safe pedestrian access through the community is a key part of their proposal.

by the majority of those surveyed. Drug trafficking and prostitution are rampant on the streets and the residents are irate. This neighborhood is judged unfairly by the illicit activities that occur on the perimeter streets. Within Currently, 32nd Street has three northbound lanes, two the study area are residential neighborhoods, schools and southbound lanes and a center turn lane that runs the

a church. It has strong community leaders and dedicated residents. Most of the residents walk out of necessity and want to do so safely, with ample shade and protected from vehicles.

Guidelines offers guidance in planning improvements for the pedestrian. The Guidelines provide three levels of pedestrian areas. These levels are used to evaluate the subject study area

The pedestrians in this neighborhood walk out of necessity, for recreation and to socialize. They do not feel safe from crime, vehicles and sidewalk hazards. 32nd Street, with its' 6 lanes of high-speed traffic, narrow shade-less sidewalks and numerous curb cuts illustrates that vehicles have precedence over pedestrians. Traffic and pedestrian volumes are moderate to heavy. Celebrity Theater and Christies provide tourist draw, however, these visitors drive in for their experience and then leave.

Other areas within the Valley with similar characteristics to name a few include Cave Creek Road at 7th Street north to the 101 Freeway, McDowell road at 32nd Street east to the 51 Freeway, 16th Street at Indian School Road south to Washington, and the Grand Avenue Corridor. There are many more with the same or similar pedestrian level as this 32nd Street Study. This study could be used as a supplemental guide to pedestrian improvements for



### **Existing Conditions**

Safety was a significant concern and was addressed A plan for the existing 32nd Street road and sidewalk conditions was prepared with on-site analysis and asbuilt drawings provided by the City of Phoenix.

length of the study area. 32nd Street from Roosevelt to just north of Van Buren has an 80-foot right-of-way which tapers to 84 feet south through the intersection. The 80 foot right-of-way section contains 2 feet of curb and gutter for each side, two 5 foot sidewalks and a 64-foot wide roadway. From Van Buren to Washington the right-of-way widens to 84 feet. This right-of-way contains 65 feet of roadway, 2 feet on each side for curb and gutter and two 5-foot sidewalks. There are four bus stops: the southwest



corner of 32nd Street and Roosevelt, each side of 32nd south of Fillmore and the northeast corner of 32nd Street and Van Buren. There are no bus stops south of Washington on 32nd Street. The bus stop at Roosevelt provides a bench and trash receptacle. The stop on the westside of 32nd at Fillmore has a shelter, bench and trash receptacle. The bus stop on the eastside of 32nd Street north of Van Buren provides a shelter with kiosk advertising, a bench and trash receptacle, which are owned and maintained by a private enterprise. The stop on the eastside of 32nd at Fillmore provides a bus stop sign. There are many curb cuts, some to empty lots or abandoned businesses. Many of the existing operations have two or more curb cuts. There are few trees and very little shade.

A set of plans exhibiting the existing conditions has been provided in this report.

#### **Preferred Alternative**

Four Alternative Designs were presented to the City of Phoenix and MAG. From these four, a hybrid was developed and determined to be the Preferred Alternative.

The Preferred Alternative will reduce the existing six traffic lanes to five traffic lanes; two northbound lanes, two southbound lanes and a shared center lane. The 84

foot right-of-way south of Van Buren will typically provide 9 foot sidewalks each on side, 4 foot planters with tree grates on each side, 1 foot header on each side, 2 foot curb and gutter on each side, one 10.58 foot southbound lane, one 10 foot southbound lane, a 10 foot shared center lane, one 10 foot northbound lane, and one 10.58 foot northbound lane. The 80 foot right-of-way north of Van Buren will typically have 7 foot sidewalks on each side, 4 foot planters on each side, 1 foot header on each side, 2 foot curb and gutter on each side, one 10.58 foot southbound lane, one 10 foot southbound lane, a 10 foot shared center lane, one 10 foot northbound lane, and one 10.58 foot northbound lane. The planters for each right-of-way width are proposed to contain trees in tree grates. The trees within the sight visibility triangles will be pruned to maintain the City of Phoenix required 6'8" minimum clearance below the canopy. The tree species will be those allowed by the Department of Water Resources Low Water Use Plant List. Curb cut elimination or reduction to one curb cut is proposed for the abandoned and unused sites and reduction of curb cuts is proposed for sites containing more than two.

The reduction in road width will impact the existing infrastructure such as; storm drains, catch basins, traffic signal and streetlights.

Based on the Preferred Alternative, the City of Phoenix Street Transportation Department prepared an engineering base sheet for the length of 32nd Street, Roosevelt to Washington. The base sheet provided for the Preferred Alternative sidewalks, planters, traffic lanes and the necessary tapering to the existing right-of-way conditions at Roosevelt and Washington. Because of the taper of the road to existing conditions the infrastructure at Roosevelt and Washington will remain the same. The existing traffic signals may need to be relocated at the intersection of 32nd Street and Van Buren, as this is the only signaled intersection affected by the traffic lane reduction. The roadway tapering to existing conditions is approximately 200 feet south of the centerline of Roosevelt and 200 feet north of the centerline of Washington. The streetlights, grades, catch basins and storm drains will be affected between these points. More detailed, engineered analysis will be necessary to establish the extent of these relocations.

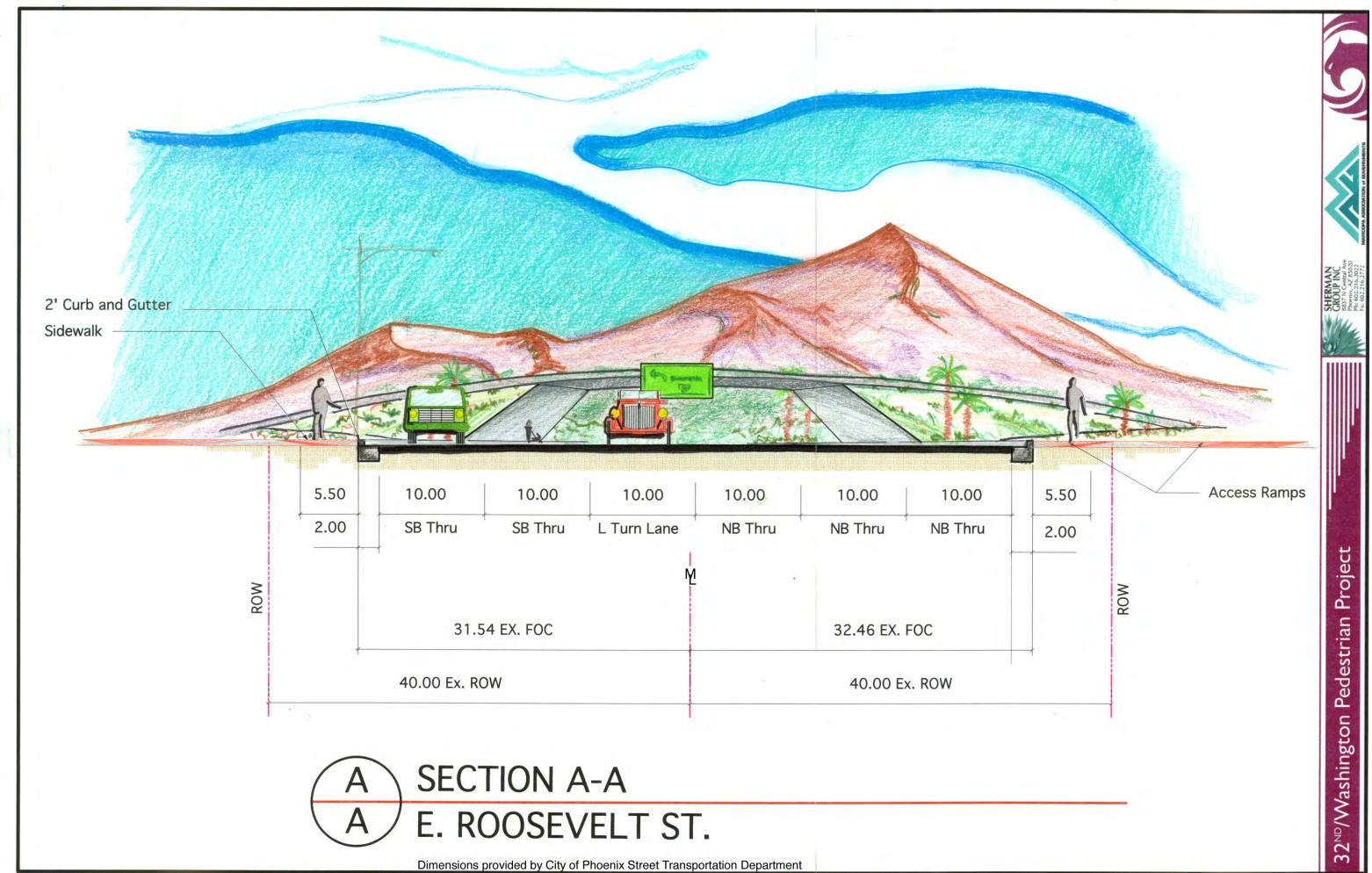
The pedestrian improvements will not only impact the residents; existing businesses and the proposed Wilson Renaissance Project can share in the added amenities offered in this streetscape enhancement. Interconnected pedestrian links within communities can become instrumental in developing a stronger sense of place within the City's urban core.

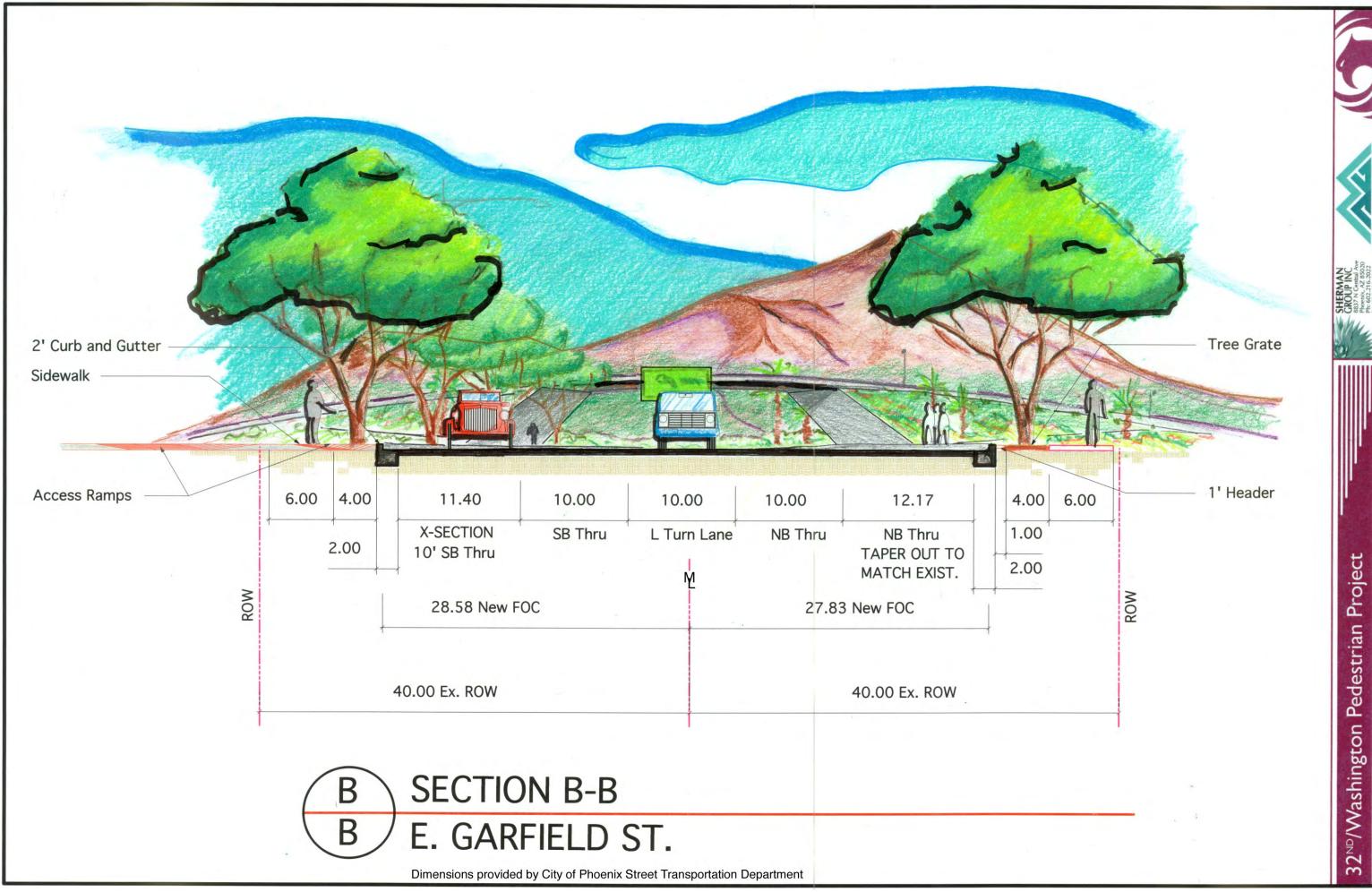


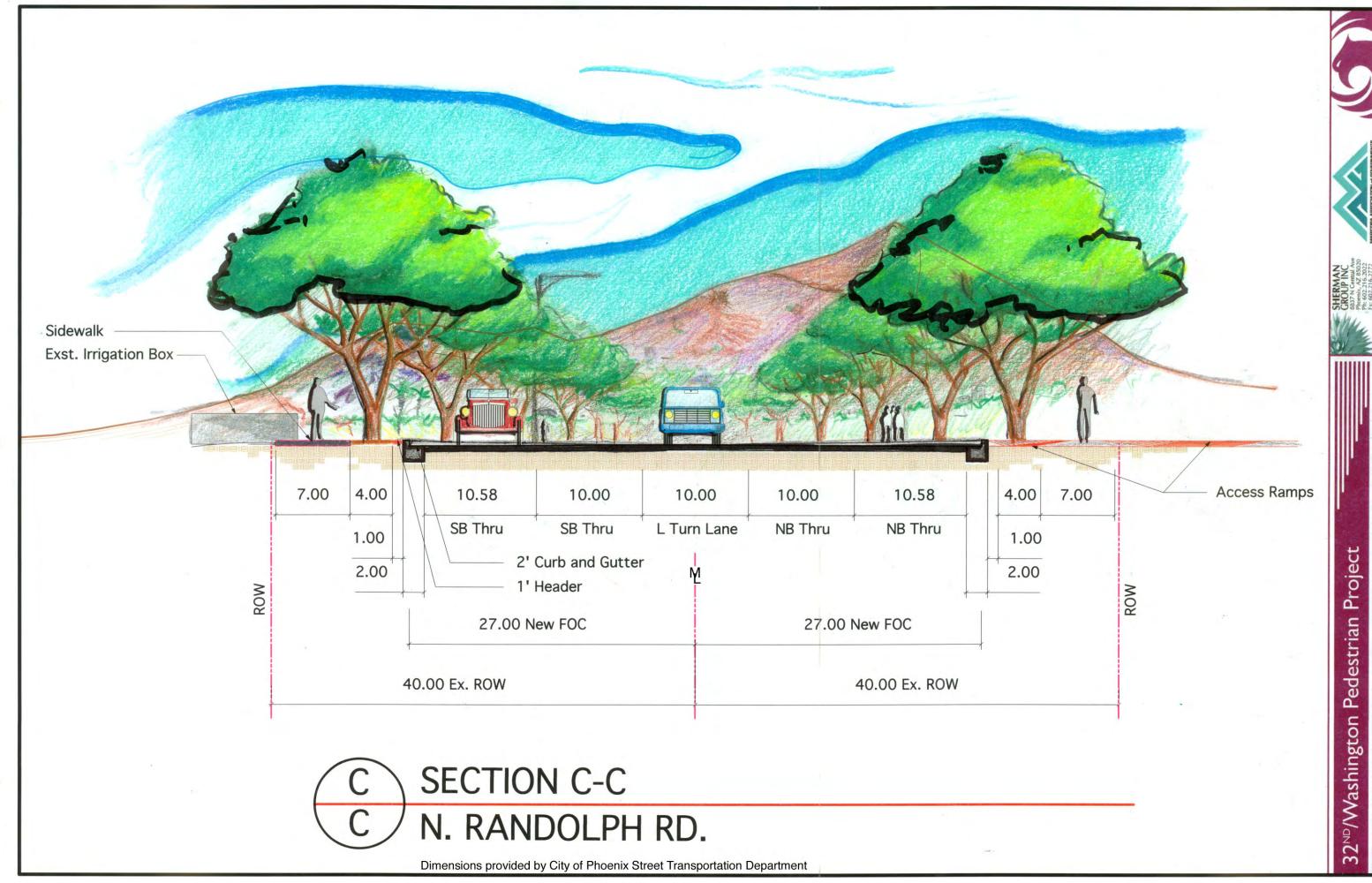


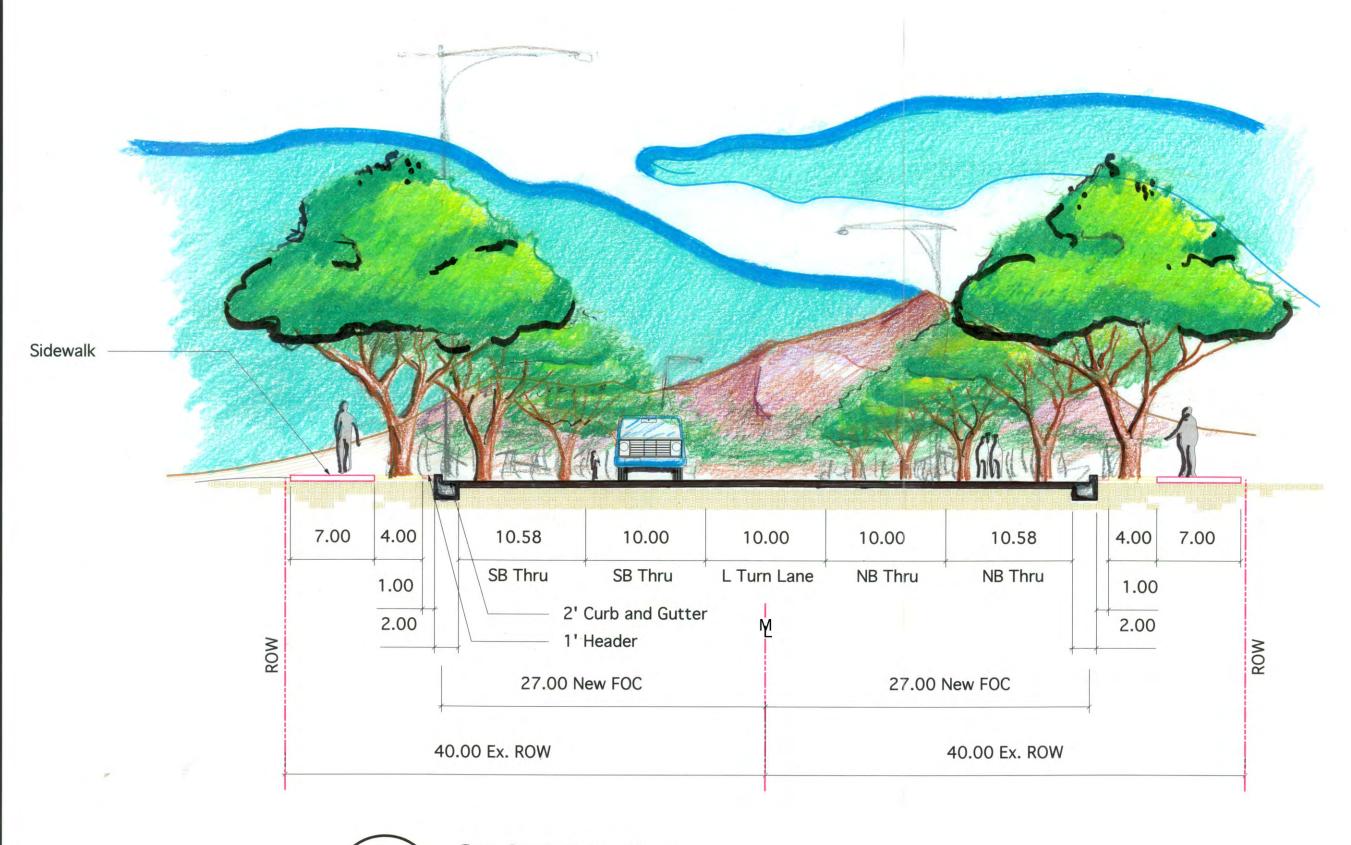










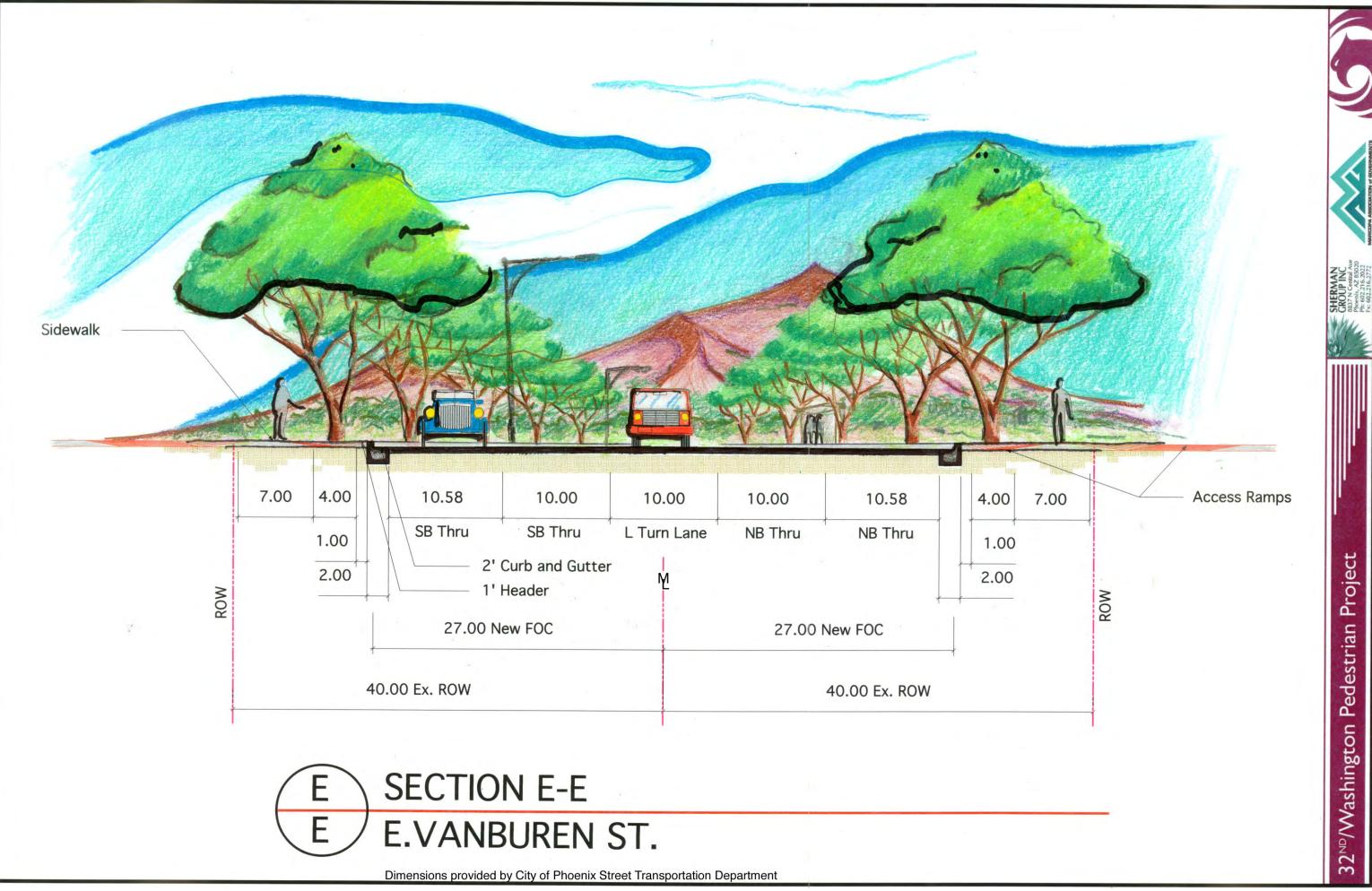


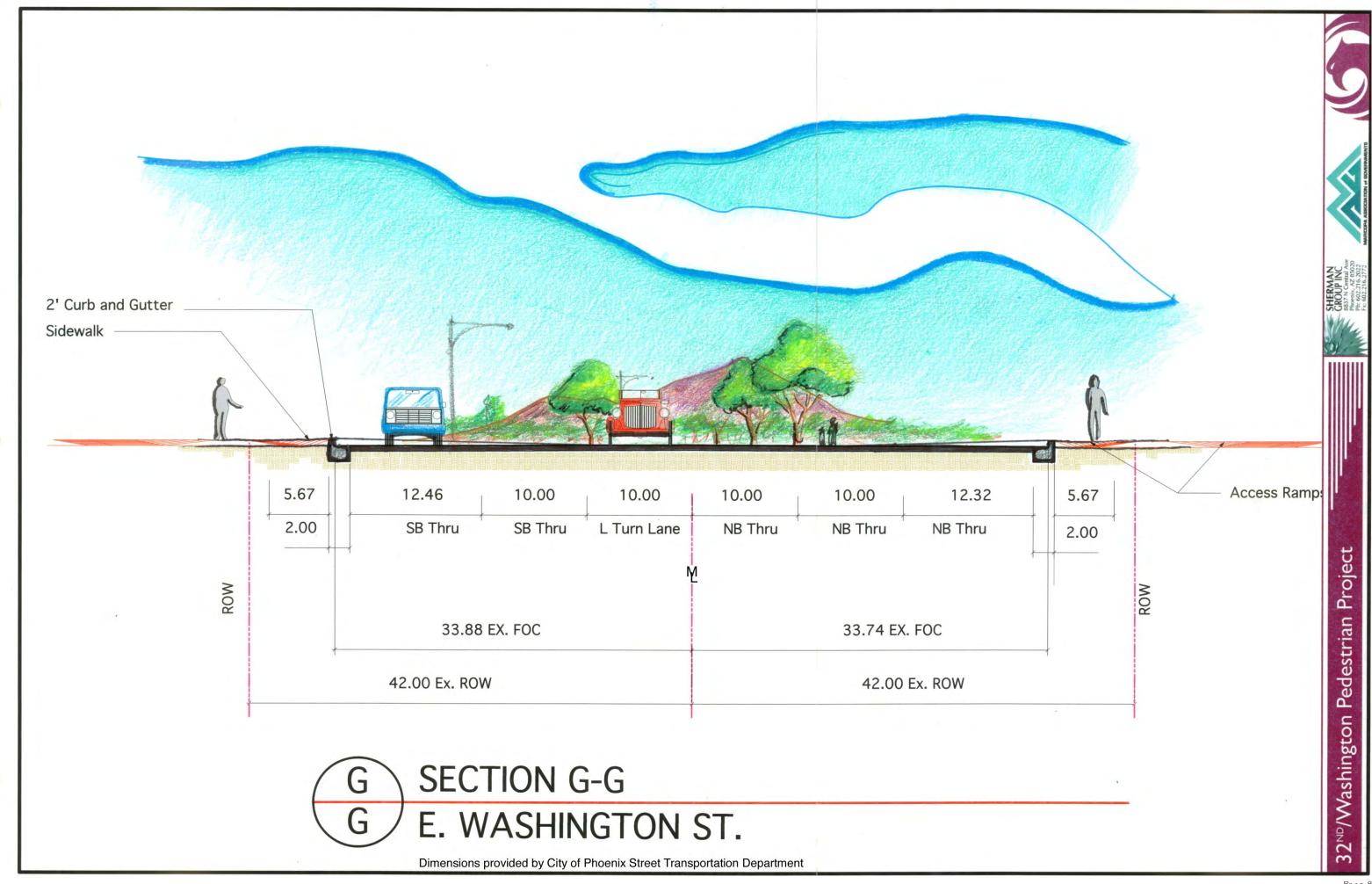


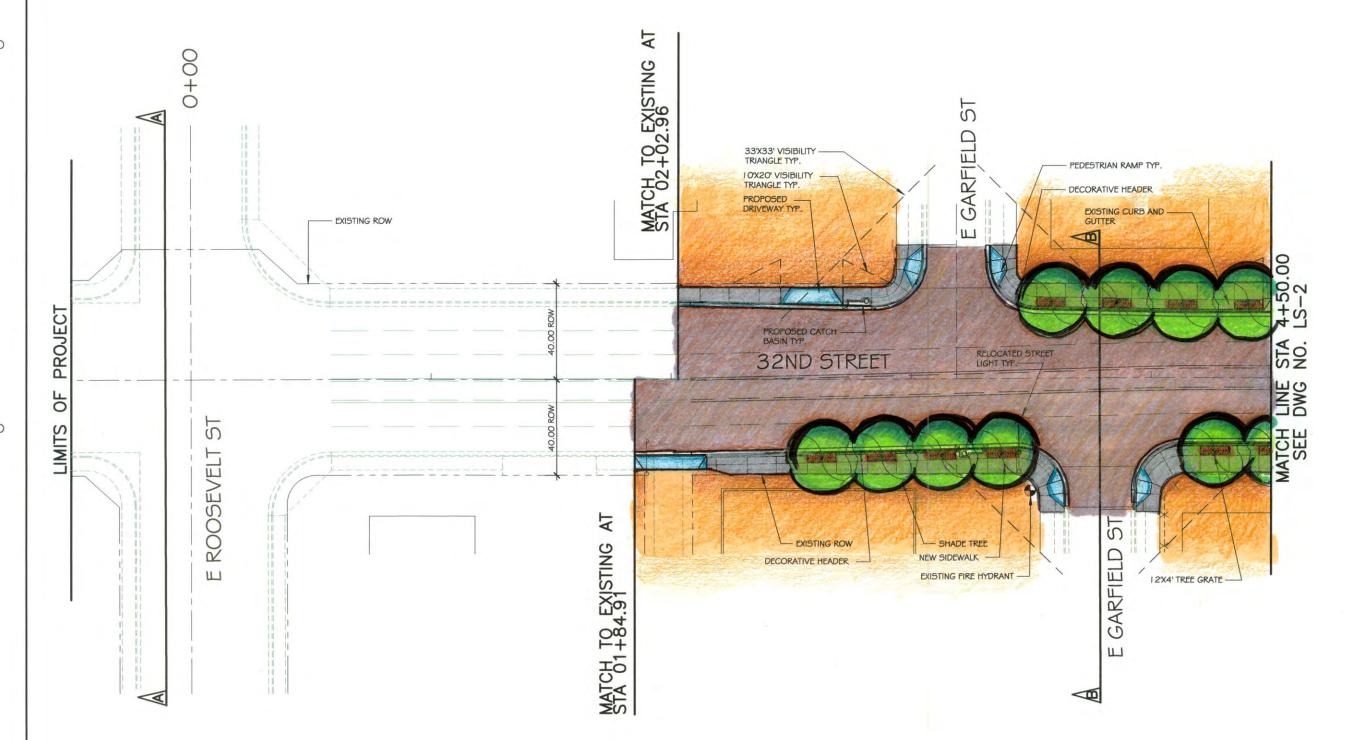
**SECTION D-D** 

E. FILMORE ST. - VAN BUREN ST.

Dimensions provided by City of Phoenix Street Transportation Department







ALL TREES IN VISIBILITY TRIANGLES TO BE PRUNED TO ALLOW A MINIMUM OF 6' 8" CLEARANCE BELOW THE CANOPY SEE CROSS SECTIONS FOR LANE WIDTH, SIDEWALK AND PLANTER DIMENSIONS.

NOTE: FOR SECTIONS SEE SHEET LS-9



SHEET LS-I CONCEPTUAL LANDSCAPE PLAN 32ND STREET STA 0-50.00 TO STA 4+50.00 ND/Washington

Pedestrian Project











NWashington Pedestrian Project

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5+00 MCKINLEY ST DECORATIVE HEADER 10'X20' VISIBILITY TRIANGLE TYP. 33'X33' VISIBILITY TRIANGLE TYP. PEDESTRIAN RAMP EXISTING CURB AND GUTTER 12'X4' TREE GRATE 4+50.00 S-1 | LINE STA 9+50.00 | DWG NO. LS-3 STA NO. L LINE 32ND STREET MATCH SEE D PROPOSED CATCH BASIN TYP. 5 PROPOSED DRIVEWAY NEW CURB AND GUITTER 12'X4' TREE GRATE E MCKINLEY RELOCATED STREET LIGHT TYP. EXISTING FIRE HYDRANT NEW SIDEWALK DECORATIVE HEADER

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ALL TREES IN VISIBILITY TRIANGLES TO BE PRUNED TO ALLOW A MINIMUM OF 6' 8" CLEARANCE BELOW THE CANOPY SEE CROSS SECTIONS FOR LANE WIDTH, SIDEWALK AND PLANTER DIMENSIONS.



SHEET LS-2 CONCEPTUAL LANDSCAPE PLAN 32ND STREET STA 4+50.00 TO STA 9+50.00

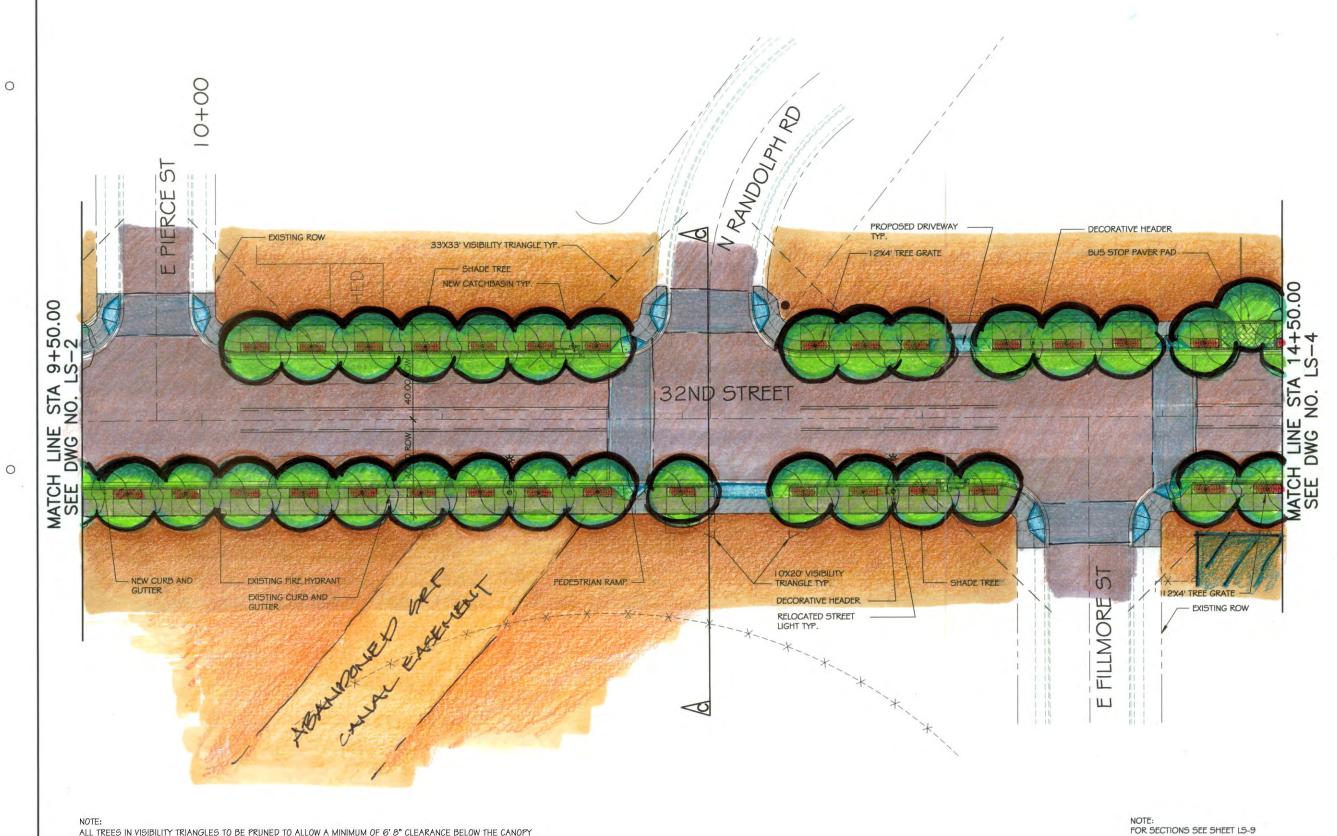




32<sup>ND</sup>/Washington Pedestrian Project

SHEET LS-3 CONCEPTUAL LANDSCAPE PLAN

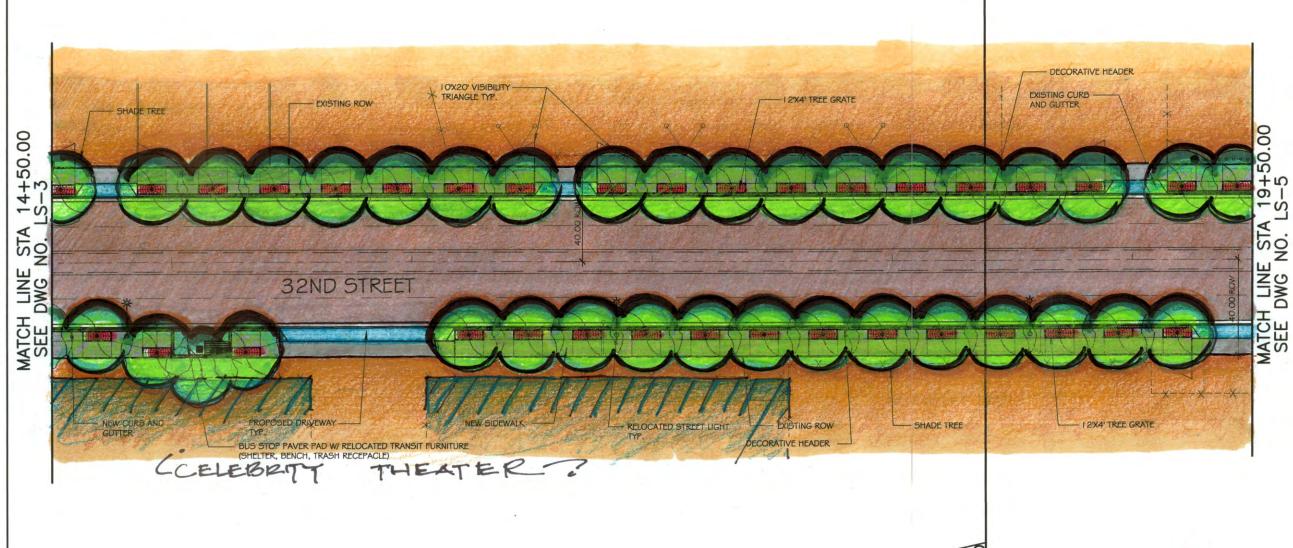
32ND STREET STA 9+50.00 TO STA 14+50.00



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ALL TREES IN VISIBILITY TRIANGLES TO BE PRUNED TO ALLOW A MINIMUM OF 6' 8" CLEARANCE BELOW THE CANOPY SEE CROSS SECTIONS FOR LANE WIDTH, SIDEWALK AND PLANTER DIMENSIONS.





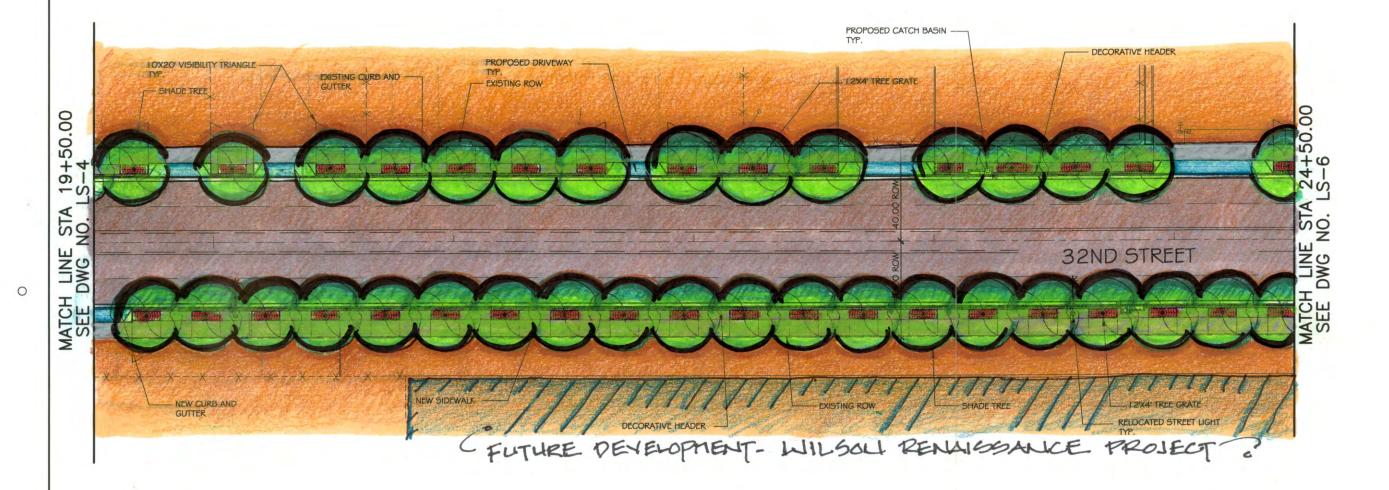
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ALL TREES IN VISIBILITY TRIANGLES TO BE PRUNED TO ALLOW A MINIMUM OF 6'8" CLEARANCE BELOW THE CANOPY SEE CROSS SECTIONS FOR LANE WIDTH, SIDEWALK AND PLANTER DIMENSIONS.

CALL TWO WORKING DAYS
BEFORE YOU DIG

NOTE: FOR SECTIONS SEE SHEET LS-9

SHEET LS-4 CONCEPTUAL LANDSCAPE PLAN 32ND STREET STA 14+50.00 TO STA 19+50.00 32<sup>ND</sup>/Washington Pedestrian Project



ALL TREES IN VISIBILITY TRIANGLES TO BE PRUNED TO ALLOW A MINIMUM OF 6' 8" CLEARANCE BELOW THE CANOPY SEE CROSS SECTIONS FOR LANE WIDTH, SIDEWALK AND PLANTER DIMENSIONS.

> SHEET LS-5 CONCEPTUAL LANDSCAPE PLAN 32ND STREET STA 19+50.00 TO STA 24+50.00

CALL TWO WORKING DAYS BEFORE YOU DIG

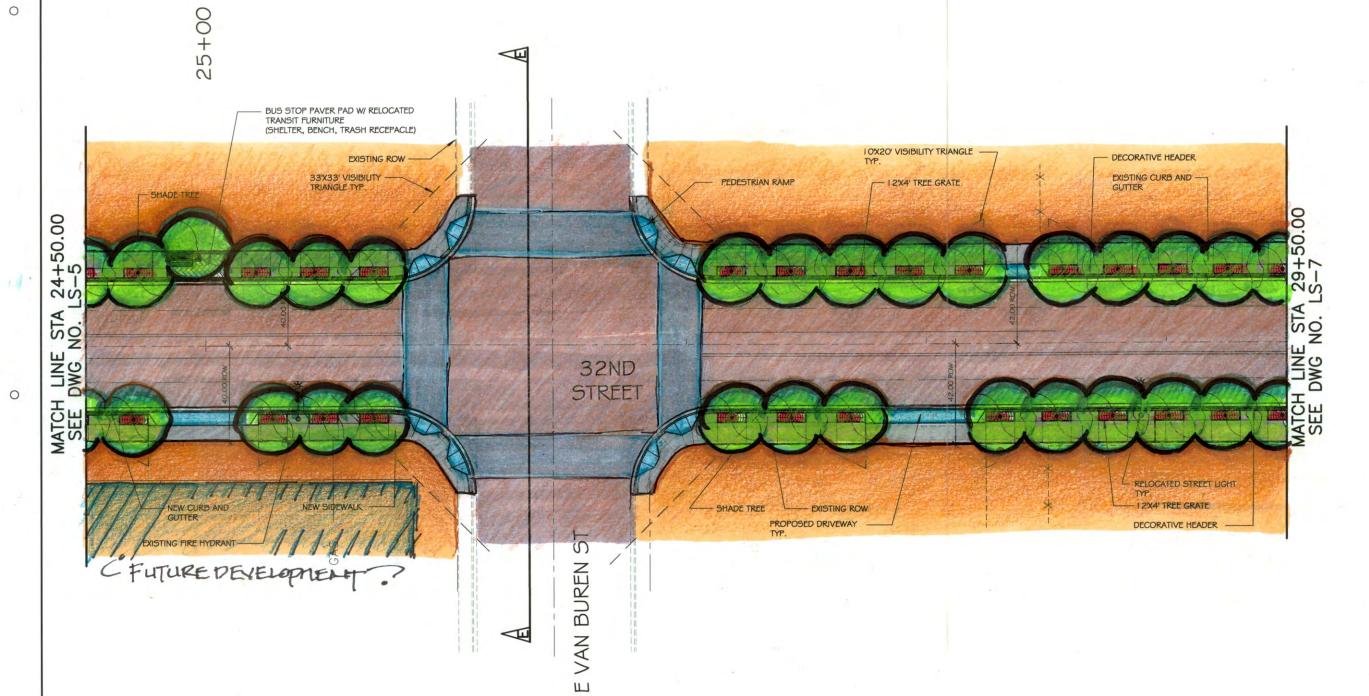
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√Washington Pedestrian Project

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ALL TREES IN VISIBILITY TRIANGLES TO BE PRUNED TO ALLOW A MINIMUM OF 6' 8" CLEARANCE BELOW THE CANOPY SEE CROSS SECTIONS FOR LANE WIDTH, SIDEWALK AND PLANTER DIMENSIONS.

FOR SECTIONS SEE SHEET LS-9

SHEET LS-6

CONCEPTUAL LANDSCAPE PLAN 32ND STREET STA 24+50.00 TO STA 29+50.00



32<sup>ND</sup>/Washington Pedestrian Project



32™/Washington Pedestrian Project

30+00 DECORATIVE HEADER I O'X20' VISIBILITY TRIANGLE TYP. EXISTING CURB AND GUTTER 12'X4' TREE GRATE PEDESTRIAN RAMP -- SHADE TREE MATCH LINE STA SEE DWG NO. 32ND STREET RELOCATED STREET LIGHT NEW CURB AND GUTTER NEW SIDEWALK-PROPOSED DRIVEWAY 12'X4' TREE GRATE - EXISTING ROW - SHADE TREE DECORATIVE HEADER HYDRANT

0

29+50.00 -S-6

STA NO. L

LINE

MATCH SEE [

ALL TREES IN VISIBILITY TRIANGLES TO BE PRUNED TO ALLOW A MINIMUM OF 6'8" CLEARANCE BELOW THE CANOPY SEE CROSS SECTIONS FOR LANE WIDTH, SIDEWALK AND PLANTER DIMENSIONS.

CALL TWO WORKING DAYS
BEFORE YOU DIG

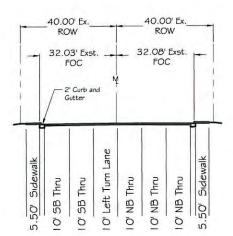
NOTE: FOR SECTIONS SEE SHEET LS-9

SHEET LS-7 CONCEPTUAL LANDSCAPE PLAN 32ND STREET STA 29+50.00 TO STA 34+50.00

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CONCEPTUAL LANDSCAPE PLAN 32ND STREET STA 34+50.00 TO LIMITS

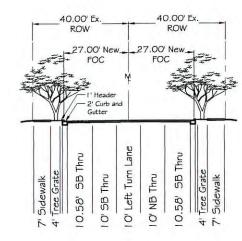


SECTION A-A ROOSEVELT ST

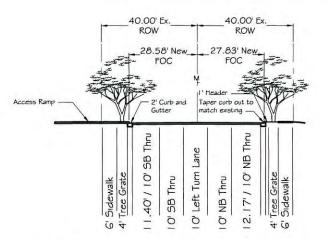
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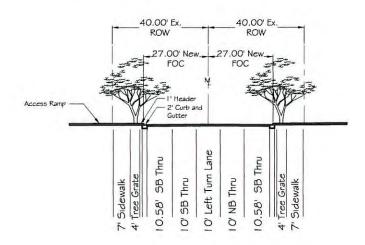
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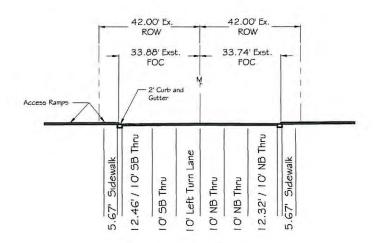
SECTION D-D E. FILMORE ST. - VAN BUREN ST



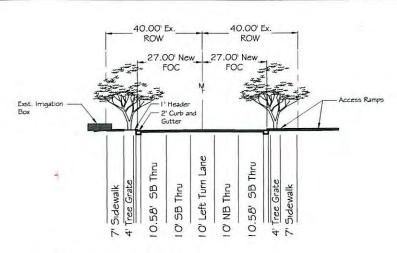
SECTION B-B



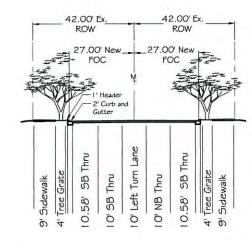
SECTION E-E VAN BUREN ST



SECTION G-G E. WASHINGTON ST



SECTION C-C N. RANDOLPH RD.



SECTION F-F E. VAN BUREN ST - E. WASHINGTON ST





## 32nd Street Conceptual Cost Estimate 1

#		Description	Unit	Unit Price	Total
1	1	Mobilization	LS		\$115,874.46
2	1	Misc. Removals	LS		\$40,234.19
3	1	Traffic Control	LS		\$13,411.40
4	1	Site Grading	LS		\$53,645.58
5	480	Off Duty Police Officer	HR	\$40.00	\$19,200.00
6	6661	Sawcut and Remove Existing	LF	\$5.00	\$33,305.00
		Concrete Curb and Gutter			
7	12550	Sawcut and Remove Existing	SF	\$3.00	\$37,650.00
		Concrete Slabs and/or Drives			
8	28500	Sawcut and Remove Existing	SF	\$3.00	\$85,500.00
		Concrete Sidewalk			
9	6,663	Saw Cut and Remove Existing	SY	\$6.50	\$43,309.50
		Asphaltic Concrete Pavement			
10	21	Remove and Relocate Existing	EA	\$300.00	\$6,300.00
		Water Meter, Box and Cover			
11	3	Remove and Relocate Existing	EA	\$800.00	\$2,400.00
		Fire Hydrant			
12	8	Remove Existing Catch Basin and	EA	\$900.00	\$7,200.00
		Attached Pipe Sections as an Incidental			
13	7	Remove and Relocate Existing	EA	\$120.00	\$840.00
		Stop signs and Associated Street  Nomenclature			
		. Tomorouduro			

14	17	Remove and Relocate Existing	EA	\$120.00	\$2,040.00
		Traffic Control Signs			
_15		Obliterate Existing Striping	LF	\$2.00	\$46,746.00
	_			<b>*</b>	
_16	5	Remove Existing Tree	EA	\$500.00	\$2,500.00
17	5	Remove Existing Palm	EA	\$700.00	\$3,500.00
18	109	Remove and Reconstruct Existing	LF	\$50.00	\$5,450.00
		Block Wall - Finish to Match			
		Previous Treatment			
 19	13	Remove and Relocate Existing	EA	\$1,000.00	\$13,000.00
		Street Lights		. ,	. ,
_20	4	Remove and Relocate Existing	EA	\$1,500.00	\$6,000.00
		Traffic Signal / No Mast Arm			
21	4	Remove and Relocate Existing	EA	\$3,000.00	\$12,000.00
		Traffic Signal / Mast Arm			
22	1	Remove and Relocate Existing	EA	\$1,500.00	\$1,500.00
		Traffic Control Cabinet			
_23	8	Adjust Manhole Frame and Cover to	EA	\$400.00	\$3,200.00
		New Grade Per MAG STD Detail 240			
24	20	Adjust Frame and Cover for (Water	EA	\$300.00	\$6,000.00
		Valve, Survey Monuments or Sewer			<u> </u>
		Cleanouts) to New Grade per MAG STD			
		Detail 270			
	6760	Install Cook and Cotton and MAC	1.5	¢0.00	ΦΕ 4 000 00
25	6760	Install Curb and Gutter per MAG	LF	\$8.00	\$54,080.00
26	22	Install Concrete curb transition	EA	\$60.00	\$1,320.00
27	32	Install New Handicap Access Ramp	EA	\$500.00	\$16,000.00
		Per Civil Details			



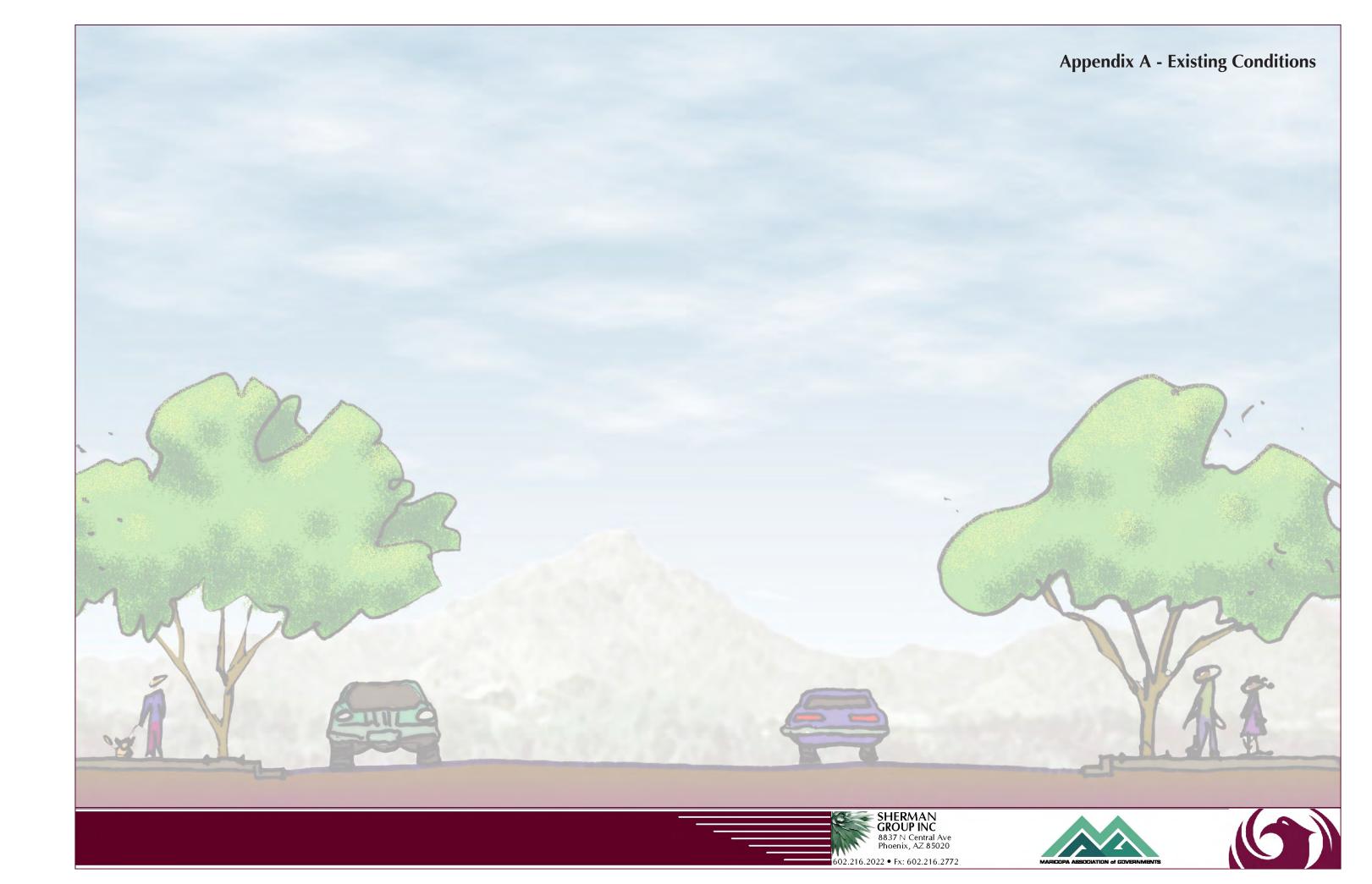


28	54900	Install New Salt Finish	SF	\$4.50	\$247,050.00
		Concrete sidewalk per Plans and Det.			
29	5590	Install Paver Surface as per Plans and Det.	SF	\$7.50	\$41,925.00
30	5785	Install New Driveway as per MAG	SF	\$4.50	\$26,032.50
		Standard Detail 251 to Size Indicated			
31	4	Install New Catch Basin Single Type "E"	EA	\$2,500.00	\$10,000.00
		MAG 534			
32	4	Install New Catch Basin Double Type "E"  MAG 534	EA	\$4,500.00	\$18,000.00
33	2	Remove and Reinstall as Indicated on Plans	EA	\$250.00	\$500.00
		Transit Bench			
34	2	Remove and Reinstall as Indicated on Plans Transit Trash Receptacle	EA	\$150.00	\$300.0
35	2	Remove and Reinstall as Indicated on Plans Transit Shelter	EA	\$600.00	\$1,200.00
		Transit stretter			
36	3203	Subgrade Prep for AC Pavement	SY	\$8.00	\$25,624.00
37	3203	4" Thick Aggregate Base Course	SY	\$5.50	\$17,616.5
38	3203	2" Thick Asphaltic Concrete Pavement Base Course	SY	\$5.00	\$16,015.00
39	3203	1" Thick Asphaltic Concrete Pavement Surface Course	SY	\$4.00	\$12,812.00
40	1799	12" Wide White Solid Stripe	LF	\$3.00	\$5,397.0
41	527	18" Wide White Solid Stripe	LF	\$4.50	\$2,371.5
42	5276	8" Wide White Skip Stripe	LF	\$1.50	\$7,914.0
43	5276	4" Wide Yellow Skip Stripe	LF	\$0.80	\$4,220.8
.,	52,0	ac renow only outpe	L.	Ψ3.00	Ψ 1,220.0

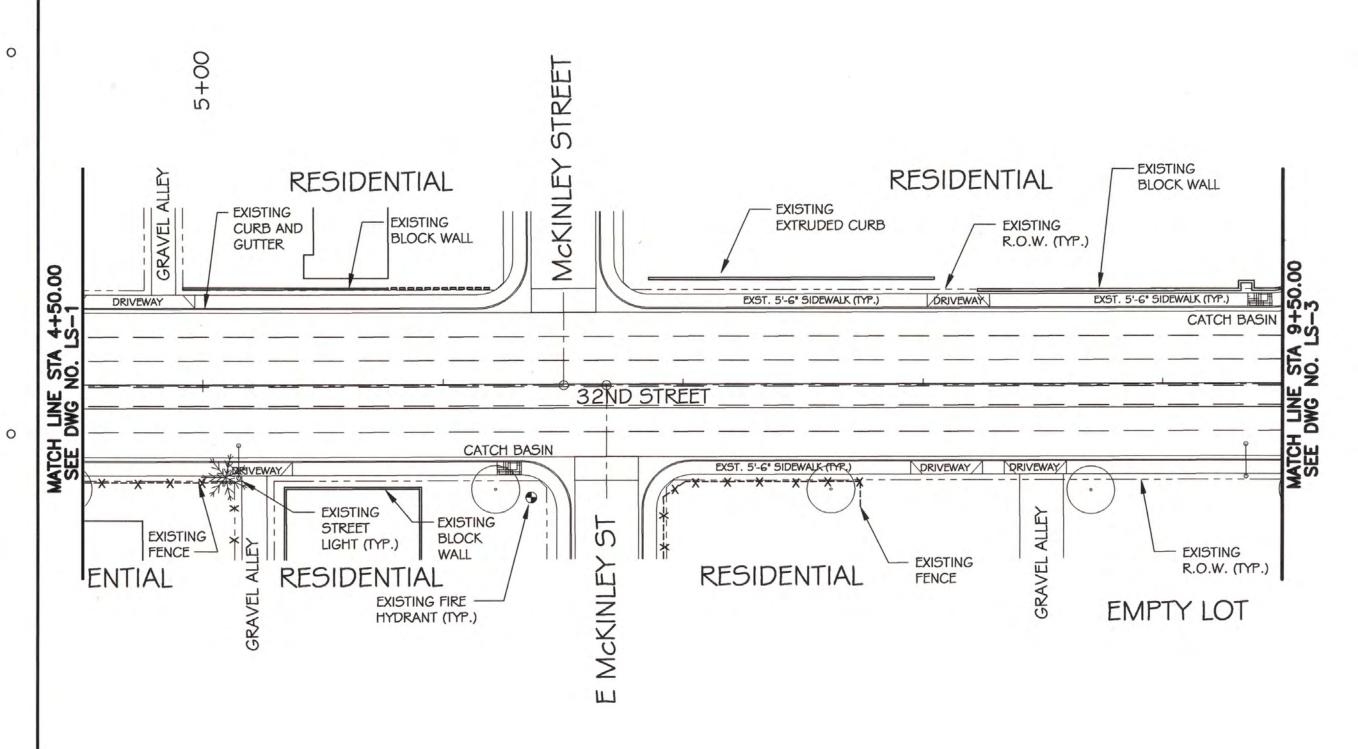
44	5276	4" Wide Yellow Solid Stripe	LF	\$0.80	\$4,220.80
45	6	Preformed Painted Left Turn Arrow	LF	\$300.00	\$1,800.00
46	18	Preformed Painted Reverse Lane	LF	\$550.00	\$9,900.00
		Turn Arrows			
47	8	Sign and Pole, Complete and Installed	LF	\$250.00	\$2,000.00
		(Ped/Crossing)			. ,
48	200	Tree Grate Installed	LF	\$900.00	\$180,000.00
	200	Tree Grate Instance		\$300.00	\$100,000.00
49	203	48" Box Trees	EA	\$1,200.00	\$243,600.00
50	60	Decomposed Granite	CY	\$60.00	\$3,600.00
<u> </u>	2	1" Water Meter Service, Including	EA	\$4,000.00	\$8,000.00
		all Pipe, Fittings, Trenching and			
		Connection to Water Supply			
52	2	1" Reduced Pressure Backflow	EA	\$2,000.00	\$4,000.00
		Prevention Unit and Cage			
53	2	Irrigation Controller	EA	\$1,500.00	\$3,000.00
54	1	Irrigation System Complete	LS	\$35,000.00	\$35,000.00
		Grand Total			\$1,564,305.23



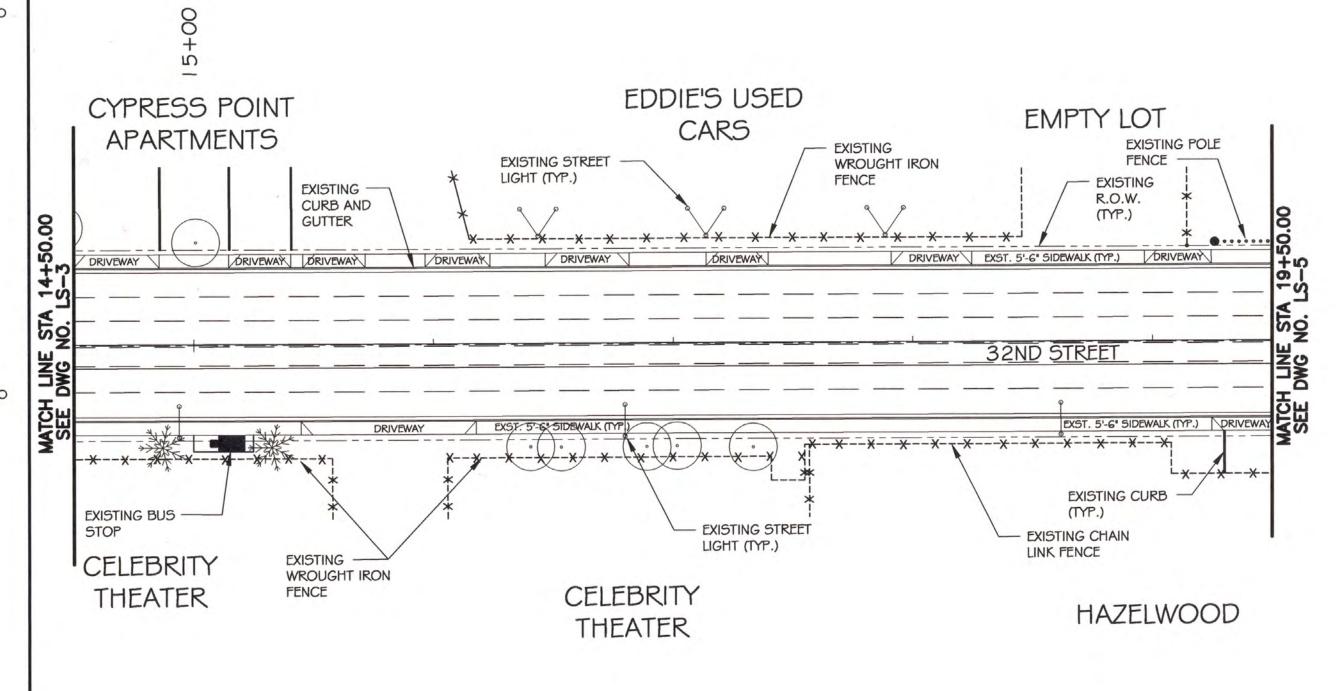




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EXISTING SITE PLAN 32ND STREET STA 4+50.00 TO STA 9+50.00 32™/Washington Pedestrian Project

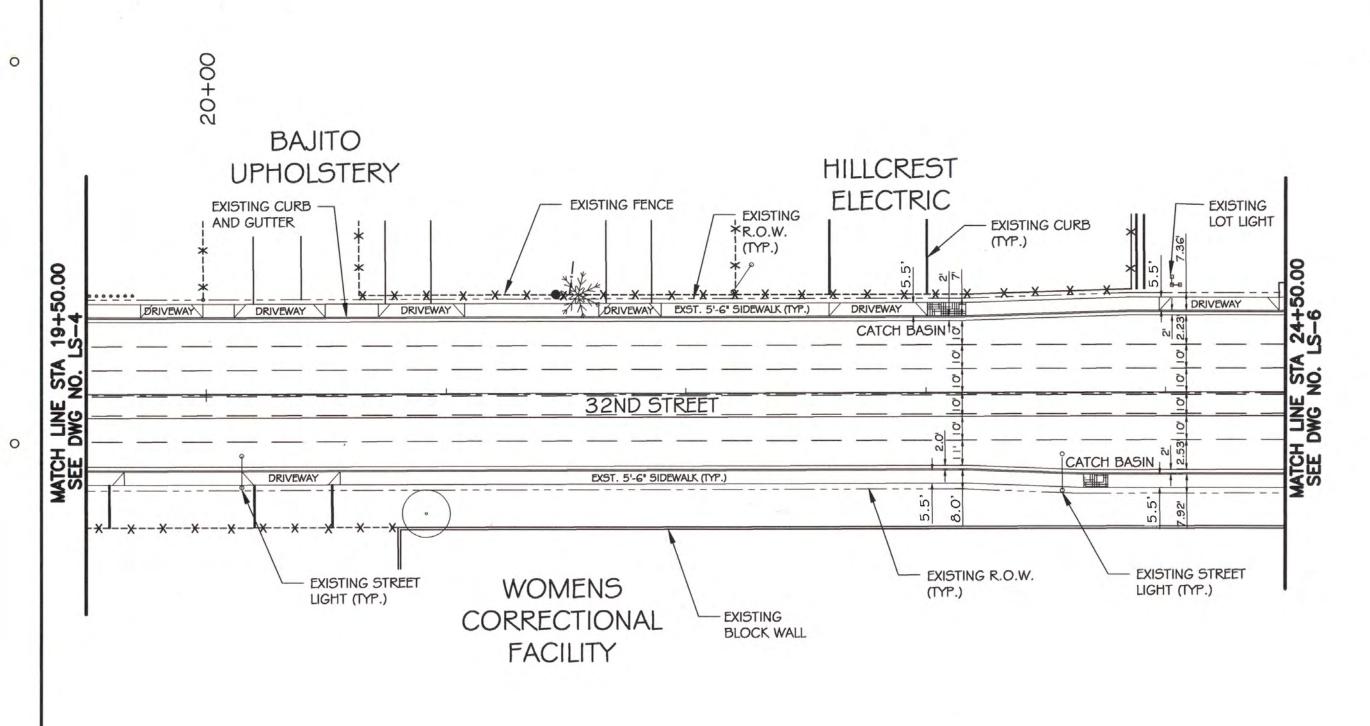


EXISTING SITE PLAN 32ND STREET STA 14+50.00 TO STA 19+50.00 Pedestrian Project

32<sup>ND</sup>/Washington

32<sup>ND</sup>/Washington Pedestrian Project

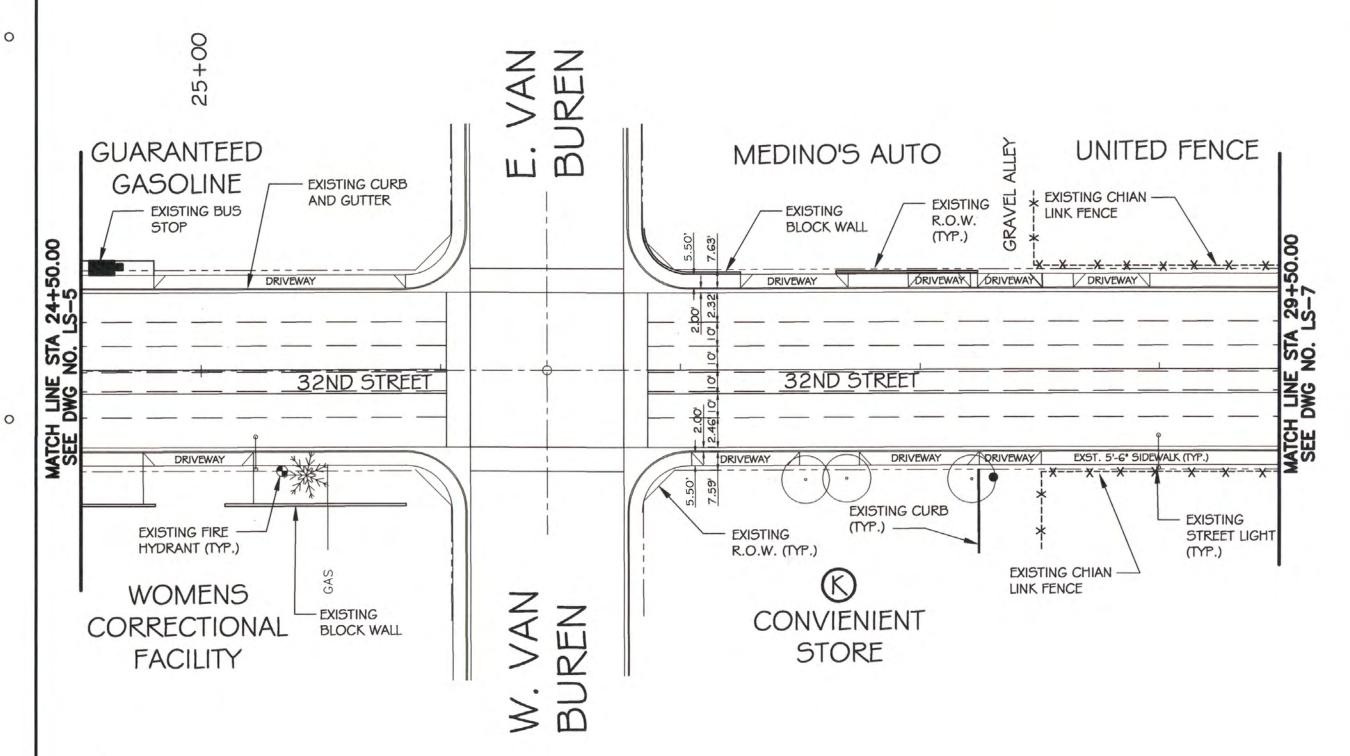
EXISTING SITE PLAN 32ND STREET



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CALL TWO WORKING DAYS
BEFORE YOU DIG

STA 19+50.00 TO STA 24+50.00



CALL TWO WORKING DAYS
BEFORE YOU DIG

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EXISTING SITE PLAN 32ND STREET STA 24+50.00 TO STA 29+50.00 32<sup>ND</sup>/Washington Pedestrian Project



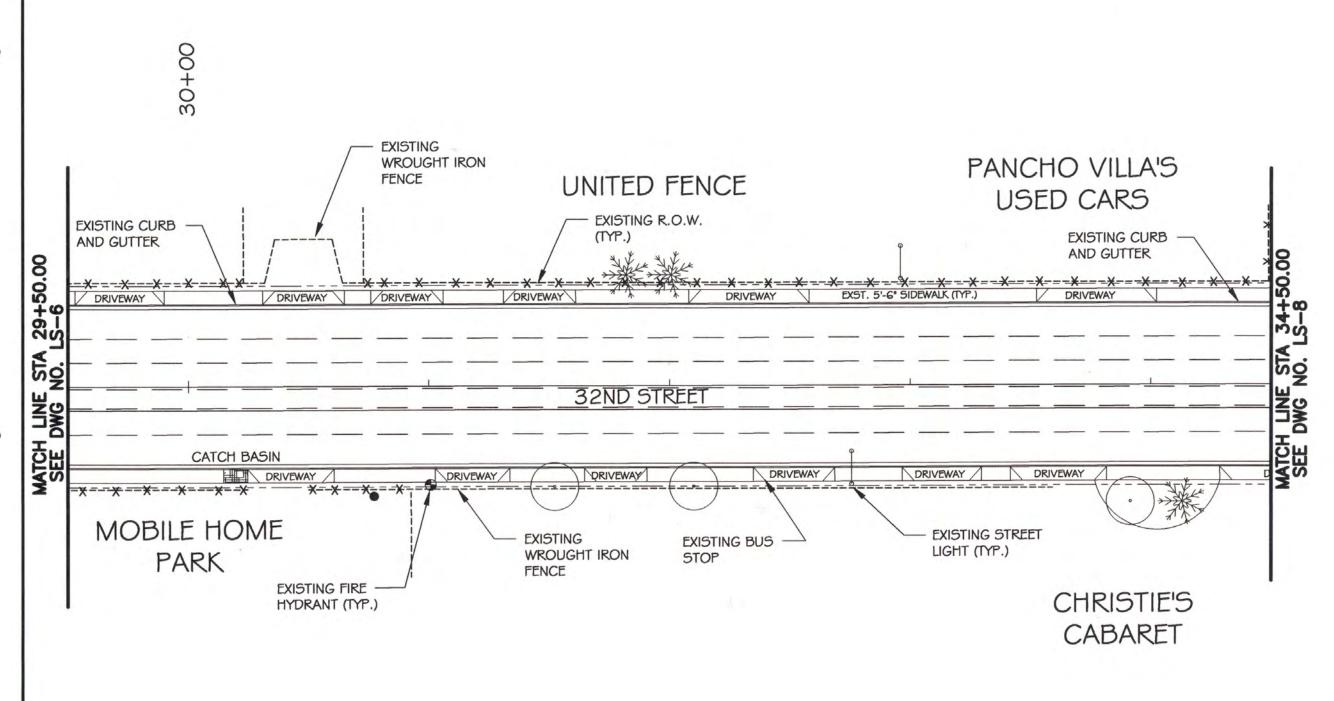




32№/Washington Pedestrian Project



EXISTING SITE PLAN 32ND STREET STA 29+50.00 TO STA 34+50.00



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